PORTABLE COLOR LCD DIGITAL WIRELESS MONITORING SYSTEM

LW2002 SERIES - QUICK START GUIDE

The LW2002 series product is expandable up to 4 cameras. To order additional cameras LW2002WAC1 Series (white) or LW2002BAC1 Series (black), please visit our website at www.lorexcctv.com

Time Under 15 Minutes*
* Installation time may vary based on application and camera location

Tools Hand Tools

Skills - Easy Plug & Play connections, On screen set up

Getting Started

The Digital Wireless Surveillance System comes with the following components:
1 x Wireless Receiver
1 x Receiver Cradle
1 x Wireless Camera(s)*
1 x Power Adaptor (for receiver)
1 x Power Adaptor (for camera)*
1 x RCA Audio/Video Cable
Instruction Manual
Quick Start Guide

*Number of cameras and power adaptors may vary by model. Check your package for specific content information.

A. Installing the Camera

1 Camera Positioning: The Camera can be placed on a flat surface, or wall mounted. The versatile stand allows for several different mounting options.

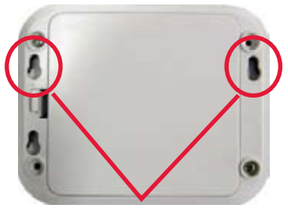
NOTE: AVOID INSTALLING IN A LOCATION WHICH REQUIRES THE WIRELESS SIGNAL TO PASS THROUGH CEMENT, CONCRETE AND METAL STRUCTURES. THIS WILL REDUCE THE TRANSMISSION RANGE.

Desk/Counter Mount

Wall Mount

OPTIONAL

Wall Mounting: Mark the position of the screw holes on the wall.
- Drill holes and insert 2 screws.
- Firmly attach the camera to the wall by placing the stand over the installed screws and pushing the base downwards to secure.



Position the Base holes over the screws. Slide the base downwards.

2 Connect the Power Adaptor to the 9V Input on the back of the camera.

NOTE: See Page 2 for battery operation instructions.

3 Set the alarm sensitivity on the camera. Turn the wheel on the side of the camera all the way down to decrease sound sensitivity. This means that the alarm is only triggered by loud noises. Turning the wheel the other way will result in the opposite. See the User's Manual for complete details on the alarm function.

NOTE: Before you install a camera, carefully plan where and how it will be positioned, and where you will route the cable that connects the camera to the power adaptor. Before starting permanent installation, verify its performance by observing the image on a monitor when the camera is positioned where it will be permanently installed.

Wireless cameras require a power source (either an electrical outlet or battery power) to operate.

When adding cameras that were not included in the original box, you will need to pair up the camera with the receiver. Please refer to the Camera Pairing Section of the User Manual.

Night Vision : The camera has built-in IR LEDs, which provides the camera with the ability to view images in no/low light conditions. It is important to use the provided power adaptor (and not batteries) when using the camera for prolonged periods in low light conditions, as the built-in IR LEDs will drain the battery more quickly than during regular daytime use.

B. Connect the Receiver

Determine if you will be using the Receiver Cradle, or connecting the cables directly to the receiver before installation.

1 Place the Receiver Cradle or Receiver in a location that offers clear reception with your camera(s).

2 Plug the AC adaptor power output cable into the 9V POWER input of the Cradle or directly into the Receiver. Plug the power plug into a wall outlet or surge protector.

NOTE: Leave the receiver to charge for 4 hours prior to first time use so the built-in rechargeable receiver battery is fully charged. DO NOT remove the power cable from the receiver / from the cradle during initial charging process. After initial charge, charge as required.

Once the Receiver is fully charged the LED light above the DC 9V input on the receiver will turn from RED to GREEN.

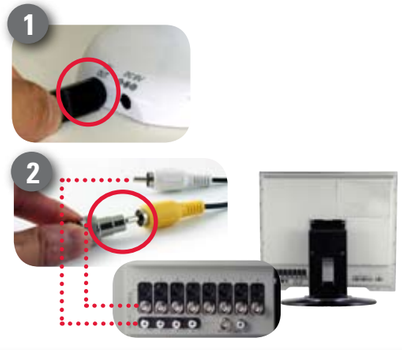
OPTIONAL

View your Receiver images on any Monitor or TV with RCA inputs (note that this requires the receiver to be connected to AC power, not battery power).

1 Connect one end (black connector plug) of the RCA Audio/ Video Cable to the Receiver or Receiver Cradle.

2 Connect the other ends (Audio - white plug, Video - Yellow plug) of the RCA cable to your Monitor or TV.

NOTE: The receiver monitor turns off when it is connected to a Monitor or TV.



3 Turn on Monitor or TV, and switch to the video channel that the receiver has been connected to.

Tip 1: If your TV has a PIP feature, you can have the camera images displayed in the PIP window. Check your TV manual for info on PIP feature (if available).

Tip 2: Connect to RCA input on a VCR, DVD recorder or Surveillance DVR to record video from the LW2002 system.

NOTE: The purpose of the AV output is for convenience only. When using with large screen TV/Monitor, the picture might be grainy as the camera limits video resolution to VGA (640x480 pixels). **This is not a product defect.** For best performance use with TV/Monitor PIP (Picture in Picture) function. Check your TV/Monitor product manual to see if this feature is available on your TV/Monitor. This allows you to view TV or other video source and see video from the camera in a small window on the same screen.

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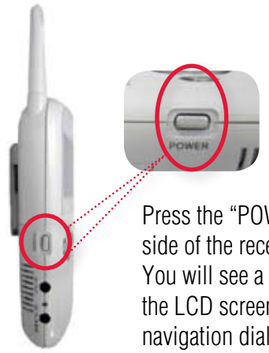
C. Power ON Camera and Receiver

Move the "ON/OFF" switch upwards (located at the side of the camera) to turn on the camera. The Green power indicator LED will turn on.



Press the "POWER" button located on the left side of the receiver to turn on the receiver. You will see a Green LED turn on above the LCD screen and Blue LEDs around the navigation dial will flash twice.

NOTE: Keep the receiver away from the camera to prevent audio feedback (up to 10ft if volume is set to maximum). Remember this when you are carrying around the receiver.

Did you know?

You can use 'AA' batteries* to make the camera truly wireless for short periods of time.

1

2

3

Power camera using the batteries:

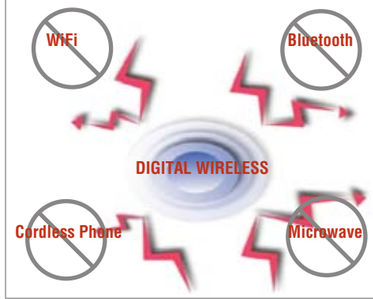
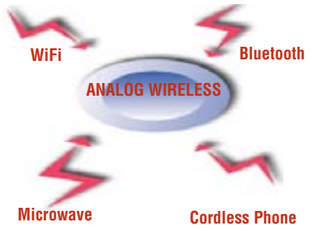
1. Remove the Battery Cover off the base of the Camera.
2. Insert 4 x AA Batteries (*not included) into the Battery compartment. Make sure to correctly line up the Positive (+) and Negative (-) terminals of the batteries.
3. Place the Battery compartment cover back on.

NOTE: Decide whether the camera will be permanently wall mounted or placed on a tabletop:

- If you decide to permanently mount the camera to a wall, make sure to select a location close to a power outlet.

NOTE: It is recommended to remove the batteries from the camera when not in use. If the Camera is plugged in with the AC Adaptor, the batteries will not be used. The batteries are intended for short term, portable Camera use only.

About Digital Wireless

Digital Wireless	Analog Wireless
✓ 2.4 GHz Digital	2.4 GHz Analog
✓ Secure privacy ensured	Non Secure, no privacy
✓ Interference **FREE** 	Interference from 
✓ Range up to 450 ft line of sight	Up to 300 ft line of sight
✓ Pairing - hand shake between camera and receiver	No Pairing - fixed channel allocation
✓ FHSS - Frequency Hopping Spread Spectrum Technology	N/A
✓ Signal strength Indicator	N/A

The table above shows that Digital Wireless Technology offers many advantages over Analog wireless. When comparing a Digital Wireless solution to a wired solution, it is important to be aware of the bandwidth limitations. Due to bandwidth constraints and depending on the signal strength the frame rate, which is measured in FPS (Frames per Second) may be reduced. For example, a Digital Wireless camera in the highest resolution (VGA 640x480) will feature a lower frame rate compared to a wired solution which provides 30 FPS.

It's all on the Web

For detailed setup information, please refer to your User's Manual. For additional information, please visit our website **www.lorexcctv.com/support**

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